Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/20/2017 11:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125004	0	1.80	124859	1.78
Blue	F	SSC	125000	123971	-1	3.56	124202	3.42
Blue	E	FITC	21625	21234	-2	2.92	948	9.90
Blue	D	PE	26832	26423	-2	2.06	949	9.68
Blue	B	PerCP-Cy5-5	48027	47730	-1	3.56	1365	16.19
Blue	A	PE-Cy7	40971	40554	-2	5.10	629	33.57
Red	C	APC	49746	49317	-1	2.89	2834	9.30
Red	A	APC-Cy7	53615	53001	-2	3.00	1104	11.08
Violet	B	V450	14488	14080	-3	5.87	670	9.83
Violet	A	V500	55123	53905	-3	5.65	2396	7.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18515	4.99	599	1	N/A	N/A	Pass
Blue	F	SSC	61456	1.51	530	-4	N/A	N/A	Pass
Blue	E	FITC	104	37.53	530	-6	0.0229	135	Pass
Blue	D	PE	207	27.39	526	-5	0.1541	168	Pass
Blue	B	PerCP-Cy5-5	213	42.10	621	-8	0.0112	63	Pass
Blue	A	PE-Cy7	71	107.08	670	-11	0.0132	8	Pass
Red	C	APC	332	26.58	587	-7	0.0214	41	Pass
Red	A	APC-Cy7	121	39.16	569	-11	0.0057	1514	Pass
Violet	B	V450	83	41.93	465	-6	0.0510	2164	Pass
Violet	A	V500	172	23.75	491	-5	0.0154	716	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.75	-31.09	0.84
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.35	13.27 - 19.91	N/A	N/A	31.08	31.74	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10862

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments